

FIG. 2B

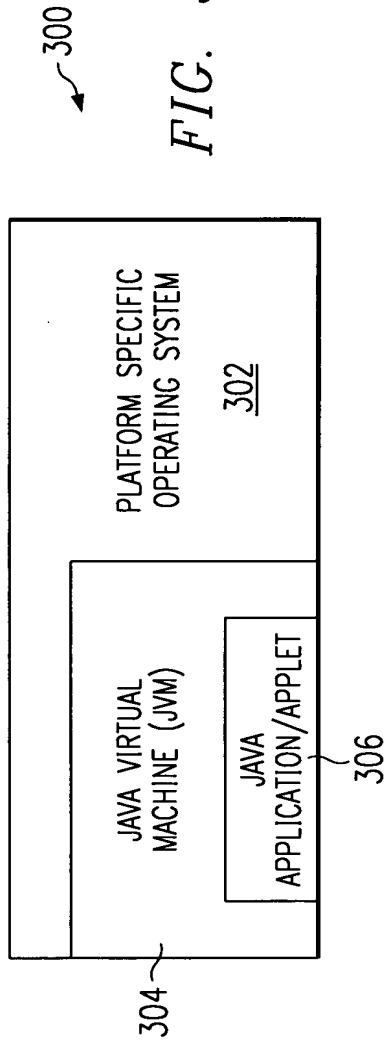


FIG. 3A

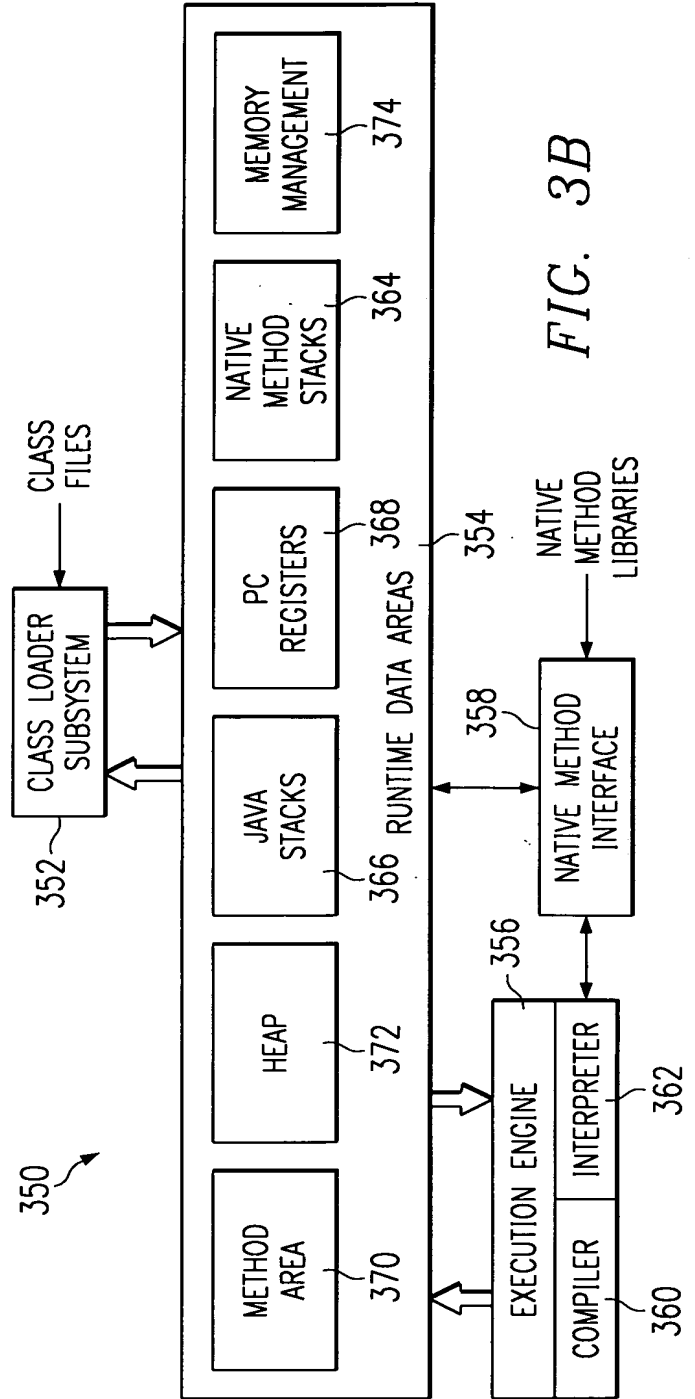


FIG. 3B

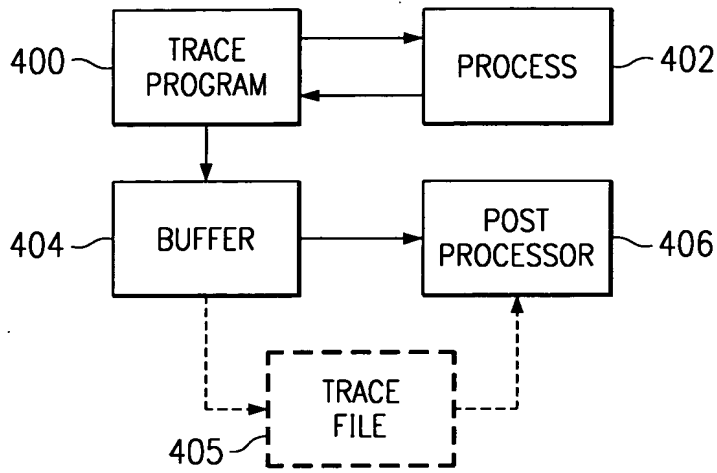


FIG. 4

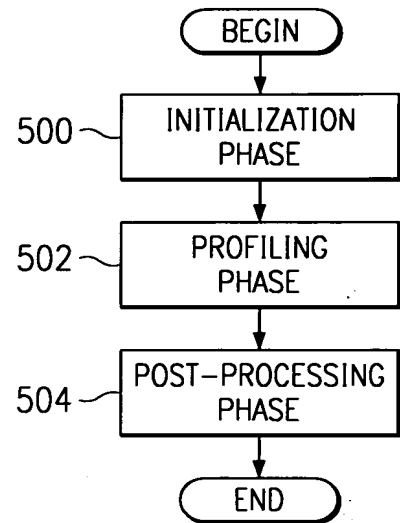


FIG. 5

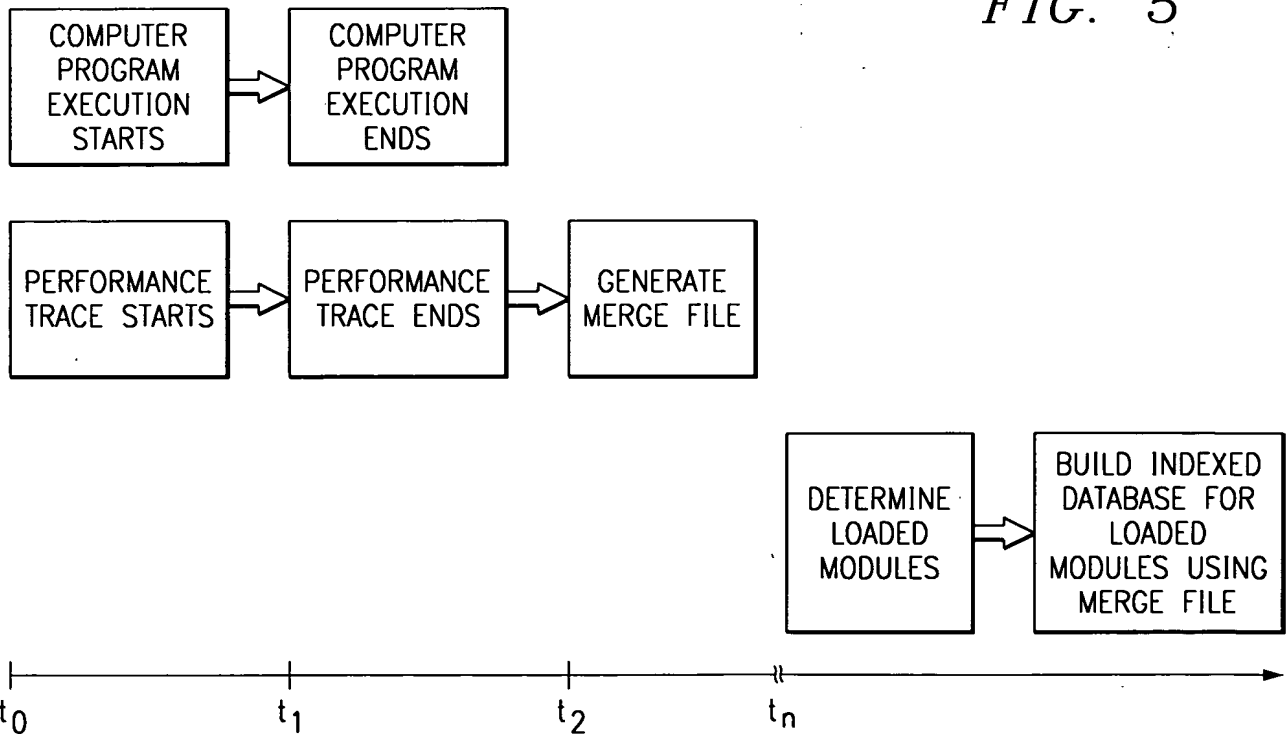


FIG. 6

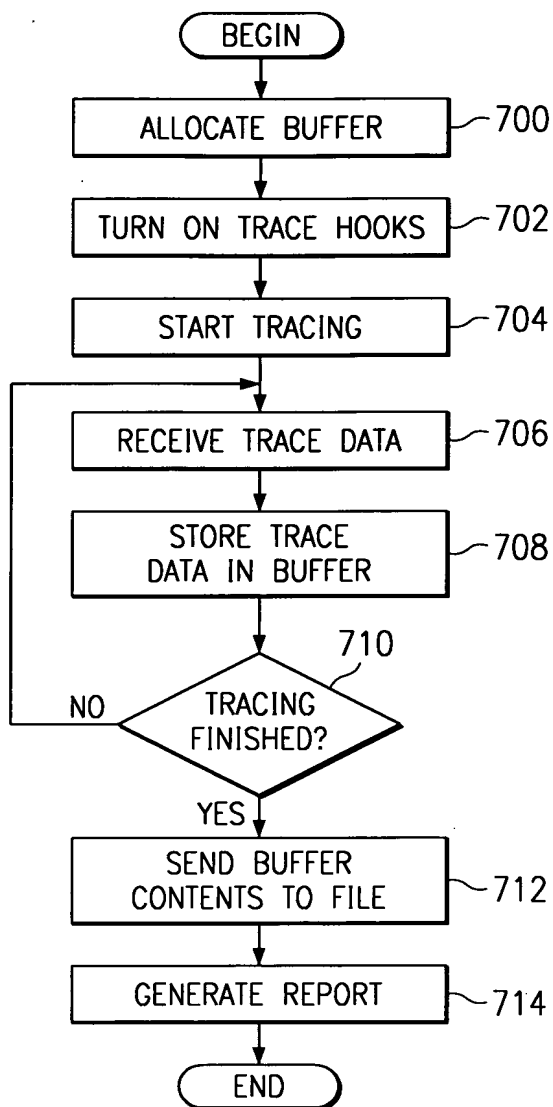


FIG. 7

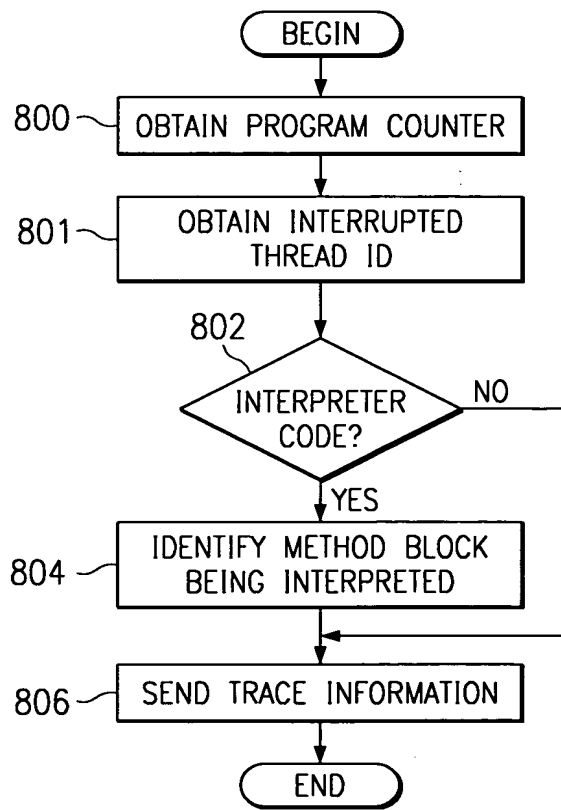


FIG. 8

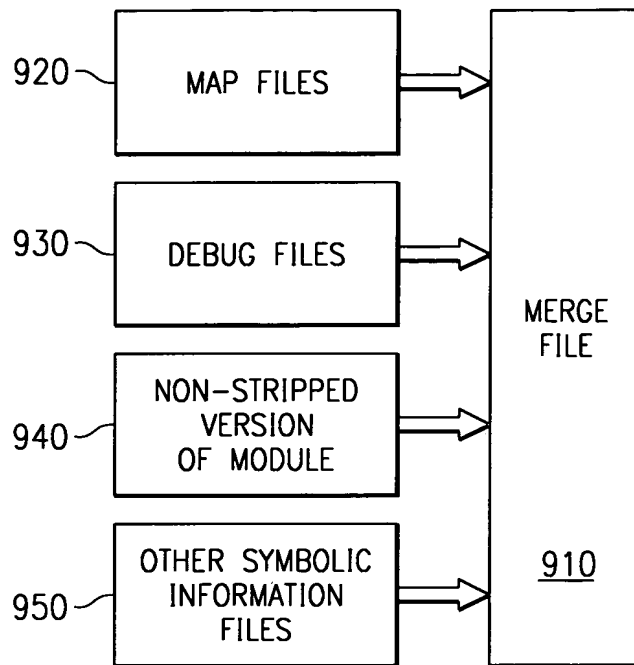


FIG. 9

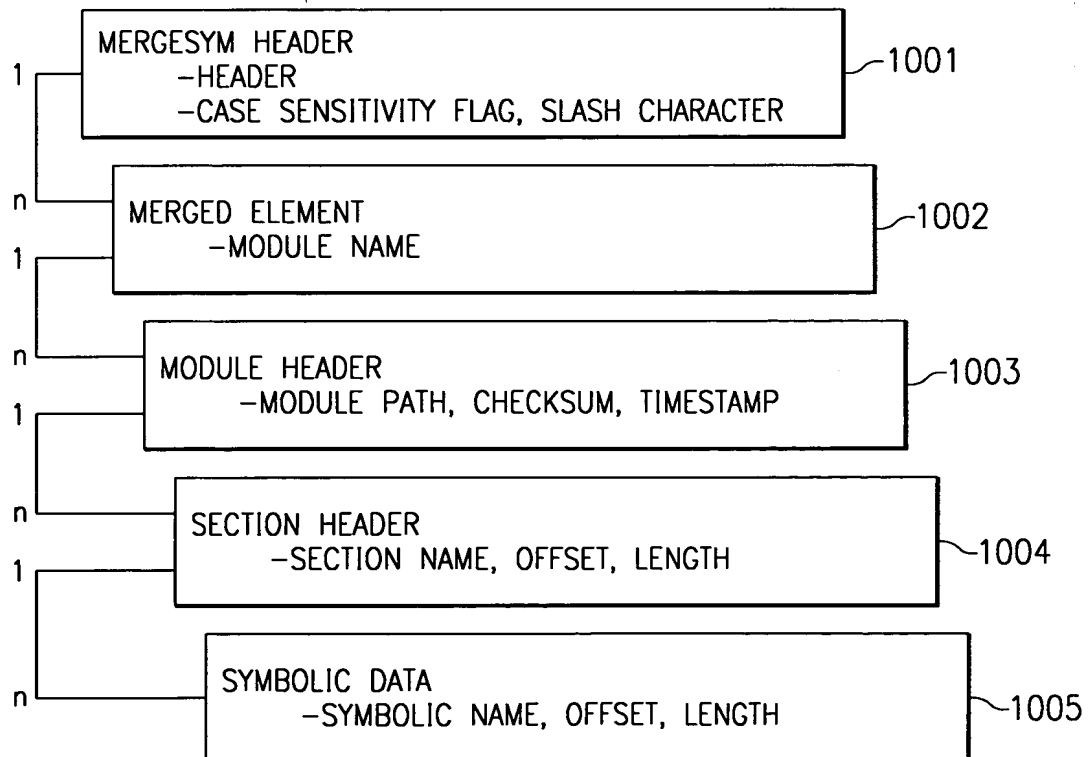


FIG. 10A

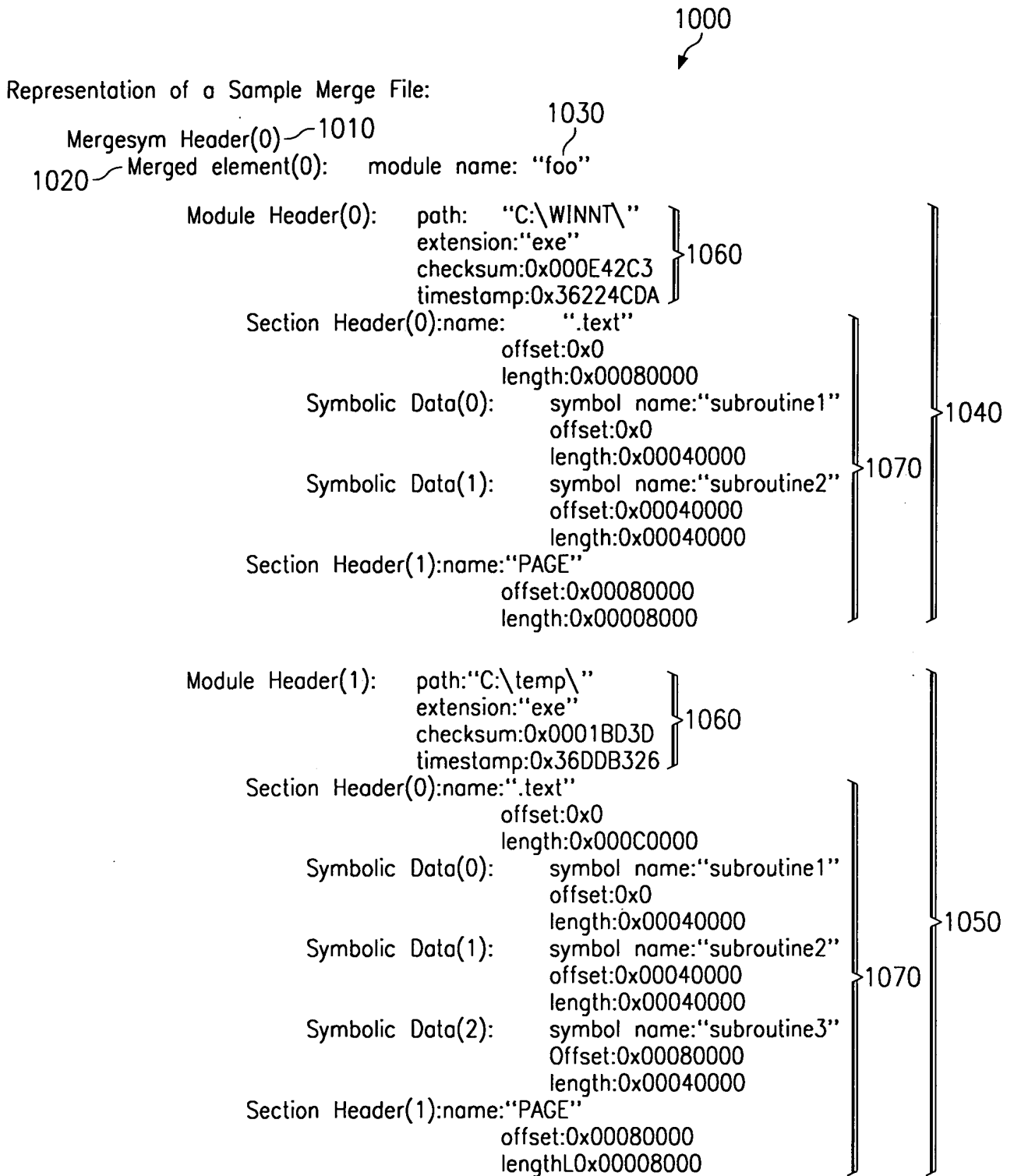


FIG. 10B

Sample Trace file:

1100 ↗

```

A8 1 4:33900363 0 00000054
19 38 4:33904248 0 00000002 80140000 00080000 68000020 000E42C3 36224CDA .text C:\WINNT\foo.exe
19 38 4:339045d4 0 00000002 801C0000 00080000 60000020 000E42C3 36224CDA PAGE C:\WINNT\foo.exe
11 B4 4:339007D7 0 3E8
11 B3 4:3390191E 0 00000000 00000000
19 38 4:33b280E7 0 00000002 80240000 000C0000 68000020 0001BD3D 36DDB326 .text C:\temp\foo.exe
19 38 4:33904473 0 00000002 80300000 000C0000 60000020 0001BD3D 36DDB326 PAGE C:\temp\foo.exe
10 03 4:33C35EC5 0 80249000 00000002 00000005 00000000 00000000 00000000 00000000 00000000
19 39 4:33E04248 0 00000002 80140000
19 44 4:55A04368 0 00001F9A 445AF040 java/lang/String.<init>([[C)V
19 44 4:55A04368 0 00001F9A 445AF0D8 java/lang/System.arraycopy ((Ljava/lang/Object;Ljava/lang/Object;I)V

```

FIG. 11

Sample MTE file:

1200 ↗

```

19 38 4:33904248 0 00000002 80140000 00080000 68000020 000E42C3 36224CDA .text C:\WINNT\foo.exe
19 38 4:339045d4 0 00000002 801C0000 00080000 60000020 000E42C3 36224CDA PAGE C:\WINNT\foo.exe
19 38 4:33b280E7 0 00000002 80240000 000C0000 68000020 0001BD3D 36DDB326 .text C:\temp\foo.exe
19 38 4:33904473 0 00000002 80300000 000C0000 60000020 0001BD3D 36DDB326 PAGE C:\temp\foo.exe
19 39 4:33E04248 0 00000002 80140000
19 44 4:55A04368 0 00001F9A 445AF040 java/lang/String.<init>([[C)V
19 44 4:55A04368 0 00001F9A 445AF0D8 java/lang/System.arraycopy ((Ljava/lang/Object;Ljava/lang/Object;I)V

```

FIG. 12

1300

SAMPLE DATABASE:

Address lookup by (pid:address) gives:

1310	2:80140000 - C:\WINNT\ foo.exe(subroutine1) 2:80180000 - C:\WINNT\ foo.exe(subroutine2) 2:80240000 - C:\temp\foo.exe(subroutine1) 2:80280000 - C:\temp\foo.exe(subroutine2) 2:802C0000 - C:\temp\foo.exe(subroutine3)	1320
------	---	------

FIG. 13A

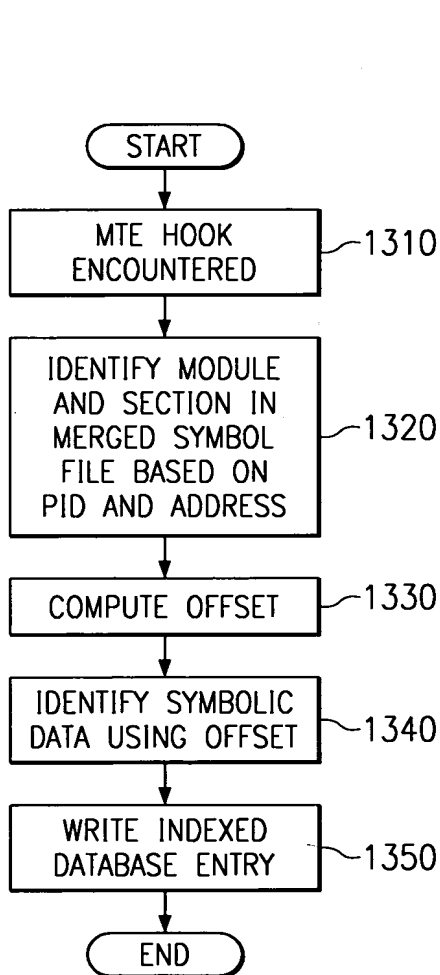


FIG. 13B

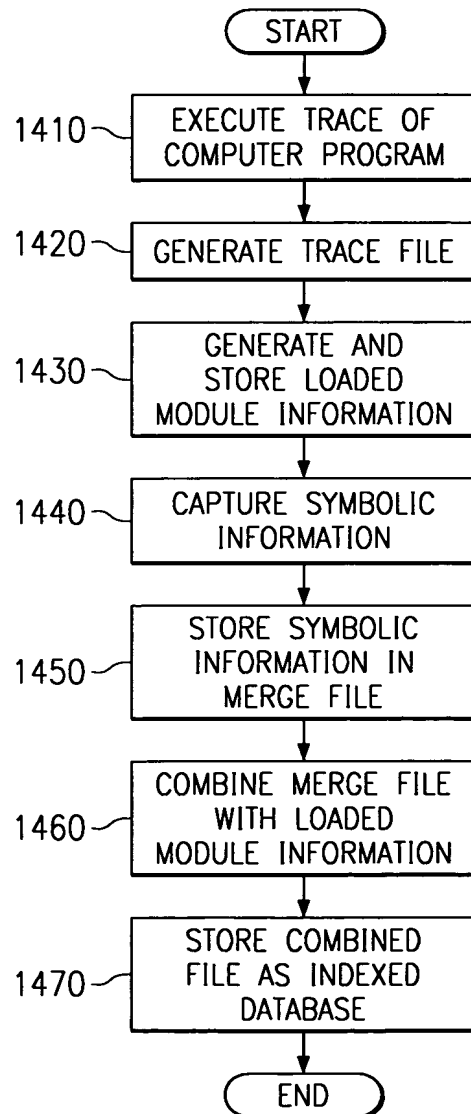


FIG. 14

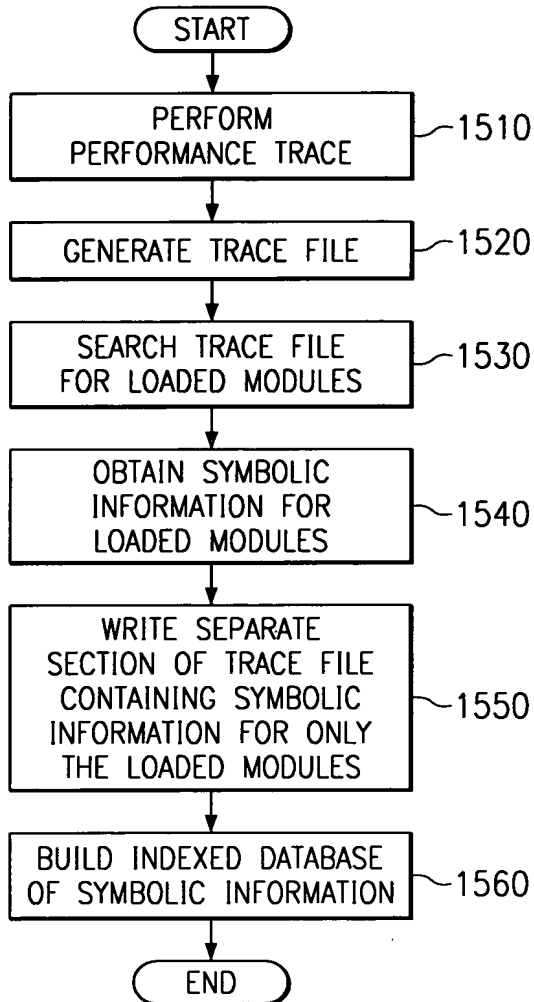


FIG. 15

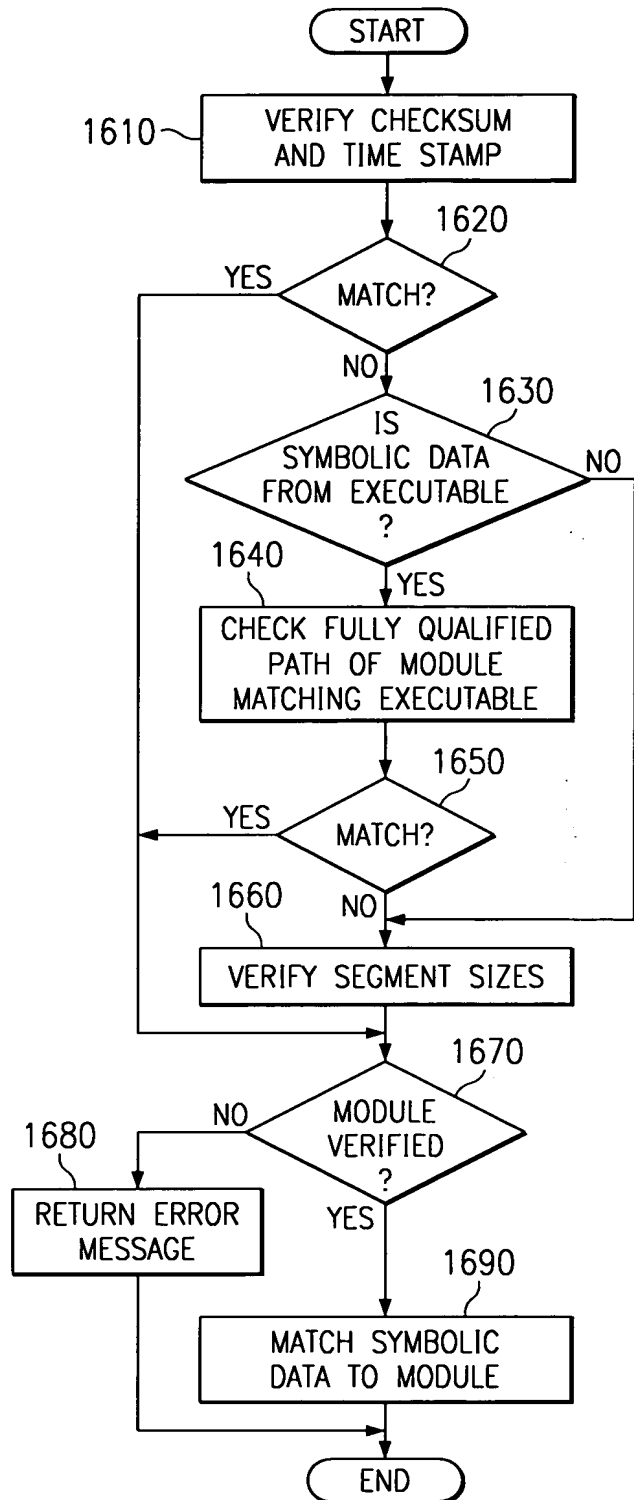


FIG. 16

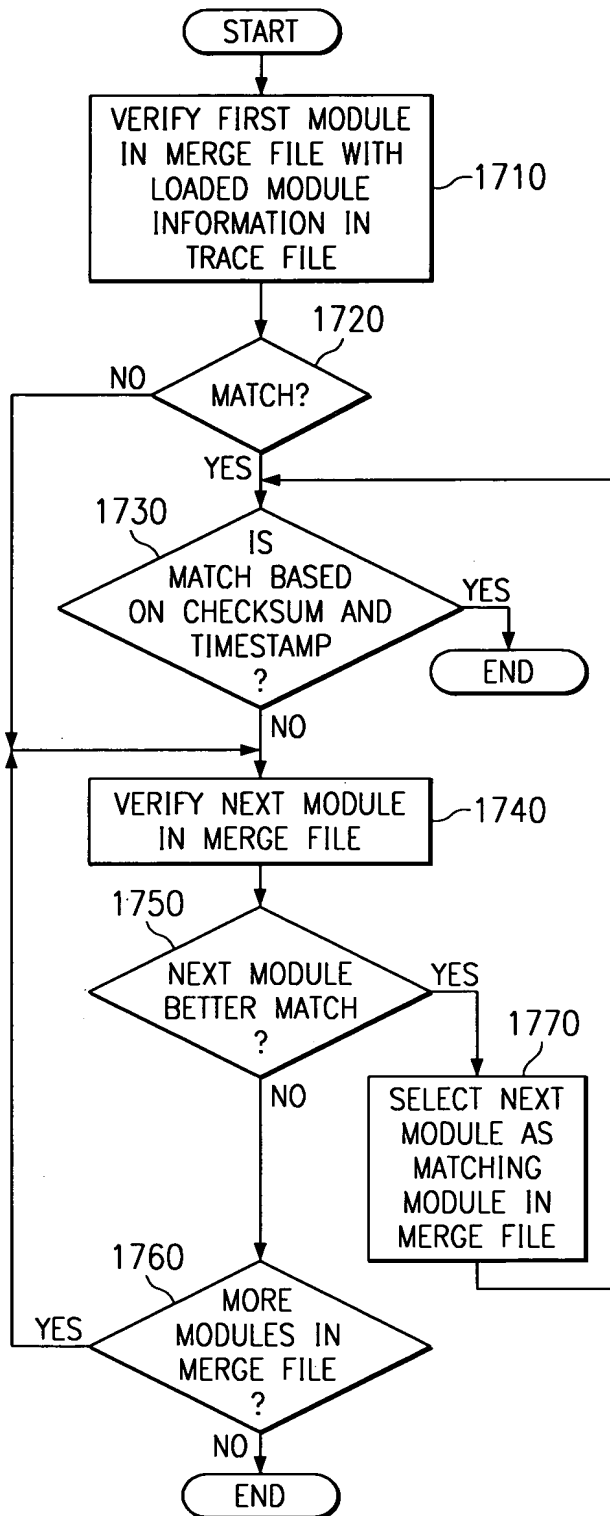


FIG. 17

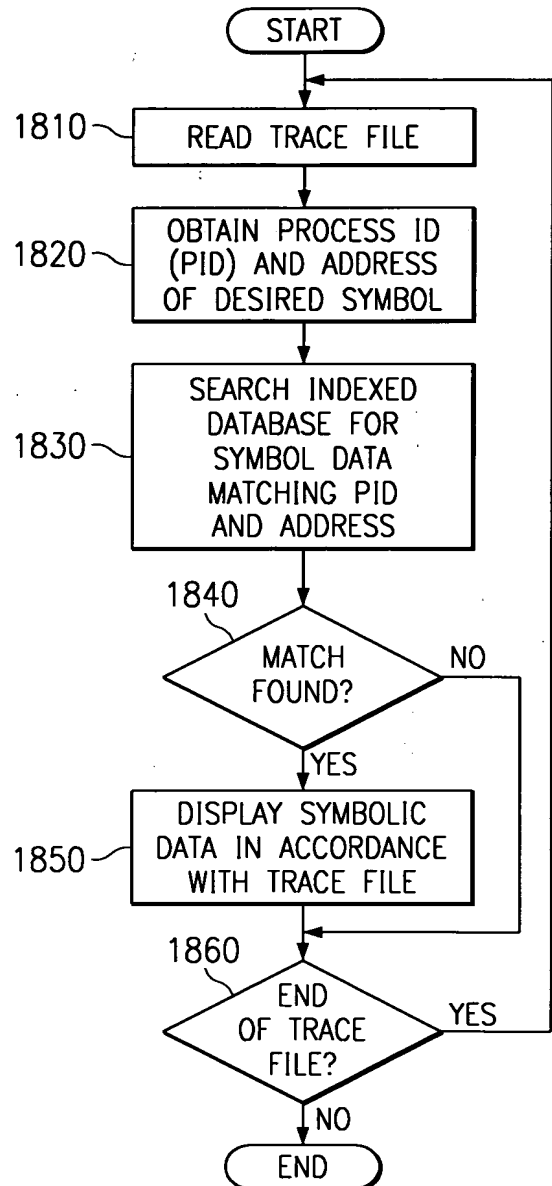


FIG. 18

```

FileName \winnt\system32\hal.dll
TaskName system
pid 0
start 80016180
size 00001e00
SegName PAGE SegNo 0x3
Symbols a
80016180 6604 Start_Segment_#3
80016604 113e HalGetAdapter
80017742 1c IoAssignDriveLetters
8001775e 1c IoReadPartitionTable
8001777a 1c IoSetPartitionInformation
80017796 f0 IoWritePartitionTable
80017886 34 HalAdjustResourceList
800178ba 44 HalAssignSlotResources
800178fe 682 HalGetInterruptVector
80017f80 0 End_Segment_#3

```

FIG. 19

```

FileName d:\winnt\system32\hal.dll
TaskName system
pid ???
start 0
size 00001e00
SegName PAGE SegNo 0x3
Symbols a
0 6604 Start_Segment_#3
474 113e HalGetAdapter
15b2 1c IoAssignDriveLetters
15ce 1c IoReadPartitionTable
15ea 1c IoSetPartitionInformation
1605 f0 IoWritePartitionTable
16f5 34 HalAdjustResourceList
1739 44 HalAssignSlotResources
1dbb 682 HalGetInterruptVector
253d 0 End_Segment_#3

```

FIG. 20

FIG. 21

